CONCORDIA UNIVERSITY

Council of the Faculty of Engineering and Computer Science

Minutes of Meeting 2004-05

held

Friday, May 14, 2004, 10:00 a.m., H-769

Present:	M.O. Ahmad	R. Jaradeh	H.B. Poorooshasb
	K. Demirli	F. Khendek	M.D. Pugh
	M. Di Pietrantonio	C. Lam	L. Quesnel
	(Secretary of Council)	E. Lapointe	T. Radhakrishnan
	R. Dssouli	W.E. Lynch	Y.R. Shayan
	T. Fancott *(Acting Chair)*	B. Mackenzie	N. Shiri-Varnaamkhaasti
	A.M. Hanna	O. Moselhi	C.W. Truemen
	I. Hassan	G. Papadakis	G.H. Vatistas
	S.V. Hoa	C. Paradisis	
	N. Howe	O.A. Pekau	

Observers:	B. Black (for L. Zack)	S. Ghaderpanah	R. Melkonian

Regrets:	N. Esmail *(Chair)*	M.K. Mehmet Ali	M. Ren
	M.Y. Chen	R. Mizouni	S.A. Shimmy
	L. Harris	T. Nalbandian	C.Y. Su
	H.F. Li	J. Opatrny	R.G. Zmeureanu

Guests:	D. Carosielli	N. Plant	R. Quinn

1. Adoption of Agenda

Acting Chair, Dr. Terrill Fancott, advised Council members to discard the following documents: ECFC Doc. 2004-05-01 pertaining to Advanced Standing re: Dawson's Technology DEC and ECFC Doc. 2004-05-03 regarding Graduate Curriculum Changes. Revised documents for item no. 4 (ECFC Doc. 2004-05-01A) and item no. 6 (ECFC Doc. 2004-05-03A) of the Agenda, were distributed at the meeting.

Motion
2004-05-01

That the agenda be adopted, as revised *(S.V. Hoa, R. Dssouli)*

Vote: Carried unanimously

2. Adoption of Minutes

Dr. Moselhi requested that the course description and title for **INSE 6311,** outlined on page 3 of the Minutes of Meeting 2004-04, be edited to include the complete text, as follows:

Sustainable Infrastructure Management Systems

This multi-disciplinary course provides the basic knowledge for developing advanced information systems that can be used to manage civil infrastructures (e.g. roads and bridges) through their life cycle. Topics treated include: history of infrastructure, types and functions of infrastructure, performance modeling, failure analysis and reliability issues, inspection and monitoring, maintenance and rehabilitation strategies, sustainability, and integrated infrastructure management systems. Project.

Motion
2004-05-02

That the Minutes of Meeting 2004-04 (April 23, 2004) be adopted, as corrected
(H.B. Poorooshasb, M. Pugh)

Vote: Carried unanimously

3. Chair's Remarks

NCDEAS: Dr. Fancott announced that since Dean Esmail was elected Chair of the National Council of Deans of Engineering and Applied Science (NCDEAS), he was attending a meeting of the Canadian Council of Professional Engineers (CCPE), in Charlottetown. In this regard, Dr. Fancott acted as Chair of the May 2004 Faculty Council behalf of the Dean.

Office of the Registrar: Dr. Fancott thanked the staff of the Office of the Registrar for their ongoing effort and hard work towards the preparation of the ENCS graduation list. The staff went above and beyond their call of duty and the Faculty is deeply appreciative of their efforts.

OIQ - Concordia Engineeirng Fair: The Acting Chair announced that the second edition of the OIQ – Concordia Engineering Fair will be held from September 21-23, 2004. The Fair encourages a sense of professionalism among students by outlining the four fundamental values of the engineer and the implications of professionalism. As a result, Dr. Fancott suggested that professors teaching summer courses advise students of this upcoming event.

Accreditation of Computer Science Program: Dr. Fancott announced that the Bachelor of Computer Science program has been accredited by the Computer Science Association of Canada (CSAC) – a national body which has initiated the process of accrediting computer programs across the country. The accreditation visit took place earlier this year, through a visit modeled largely on the accreditation procedures followed by the Canadian Engineering Accreditation Board (CEAB).

With accreditation now considered an important indicator of the quality of its programs, it has become a widely accepted tool in Computer Science schools and faculties.

The Acting Chair announced that all programs in the Faculty of Engineering and Computer Science are now accredited. Dr. Radhakrishnan expressed his pride regarding the accreditation of the Computer Science program. Council members congratulated Dr. Radhakrishnan and his Department on this accomplishment. An applause followed.

<div align="center">OPEN SESSION</div>

4. **Advanced Standing re: Dawson's Technology DEC**
   (ECFC Doc. 2004-05-01A)

   Dr. Lynch presented the above-mentioned document outlining the advanced standing given to students entering Concordia's engineering programs with a Technology DEC from Dawson College. Subsequent to the numerous meetings between the Faculty of ENCS and counterparts for Dawson, the Departments have considered and approved these advanced standing decisions, as has the Undergraduate Studies Committee.

Motion   *That the advanced standing decisions set out in Document ECFC 2004-05-01A be approved by Council, as revised*
(W.E. Lynch, M. Pugh)

Vote: Carried unanimously

5. **Undergraduate Curriculum Changes for ECE Department**
   (ECFC Doc. 2004-05-02)

   Dr. Yousef Shayan, Associate Chair of the ECE Department, advised Council members that all core and elective courses were examined. As a result of this clean-up, the following curriculum changes were proposed:

   - Replace COMP 352 with new course COEN 352 (Data structures and algorithms). This change is required to address CEAB concerns and increase the focus of the course towards computer engineering concepts.

   - Modify the title and/or content and/or pre-requisite of ELEC 464, COEN 451, ELEC 442, ELEC 3271 and ELEC 441 to better reflect the content of the course.

   - Remove elective courses COEN 452 (VLSI Design II) and ELEC 411 (Pulse and Waveform Generation) from the calendar, as these have not been offered for more than 5 years.

- Offer courses ELEC 483 (Real-Time Computer Control Systems) and ELEC 458 (Techniques for Electromagnetic Compatability) as new elective courses for electrical engineering. These courses are suitable for electrical engineers wishing to work in control and wireless product development, respectively.

- Replace MECH 473 with INDU 463 in the elective list of electrical engineering (Electronics and Systems Option). INDU 463 is better suited for students studying in the direction of "Control".

- Remove core course ELEC 471 (Random Process) from the calendar. As ELEC 471 is the only pre-requisite for ELEC 462, the content and pre-requisite of ELEC 462 is also modified to reflect this change.

Motion 2004-05-04   *That the undergraduate curriculum changes set out in Document ECFC 2004-05-02 be approved by Council (W.E. Lynch, M.O. Ahmad)*

Vote: Carried unanimously

Dr. Radhakrishnan commented on the differences of opinion expressed by the ECE and CSE Departments with regards to courses COEN 352 and COMP 352, hence the reason for having tabled the above-mentioned document. However, he took the opportunity to publicly acknowledge and thank the ECE Chair and its department members for their understanding, leading to a very fruitful co-operation. Consequently, a moral on which to resolve future differences in opinion has been established.

Dr. Ahmad advised that this is a true example of co-operative effort between two departments. He thanked Dr. Radhakrishnan for being instrumental and very co-operative in putting forth such curriculum changes, just months before his departure as Chair of the CSE Department.

It was pointed out that course ELEC 471 on page 19 of ECFC Doc. 2004-05-02 should be a course deletion, not a course description.

6.   **Graduate Curriculum Changes: (ECFC Doc. 2004-05-03A)**

Dr. Vatistas presented document ECFC Doc. 2004-05-03A regarding the following graduate slot course proposals from the Department of ECE:
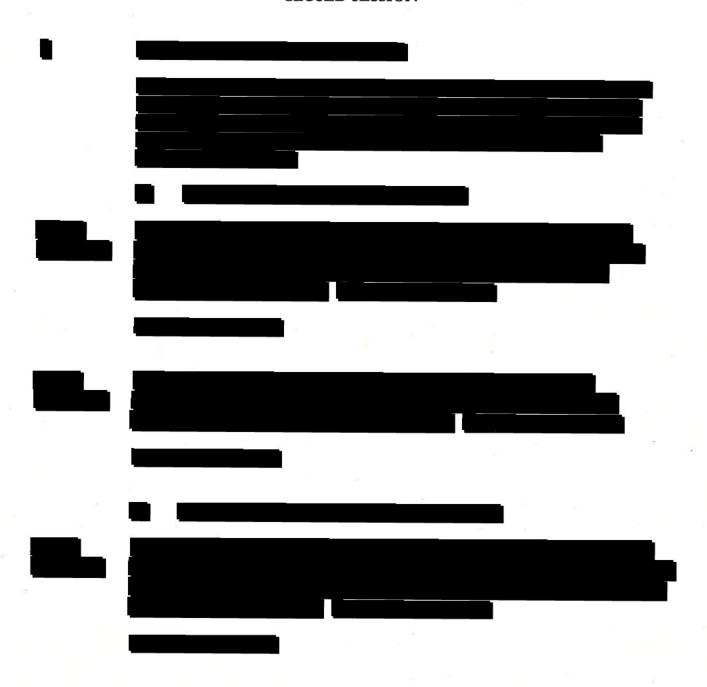
- new slot course **ELEC 691X** *An Introduction to Nanoscience and Technology*
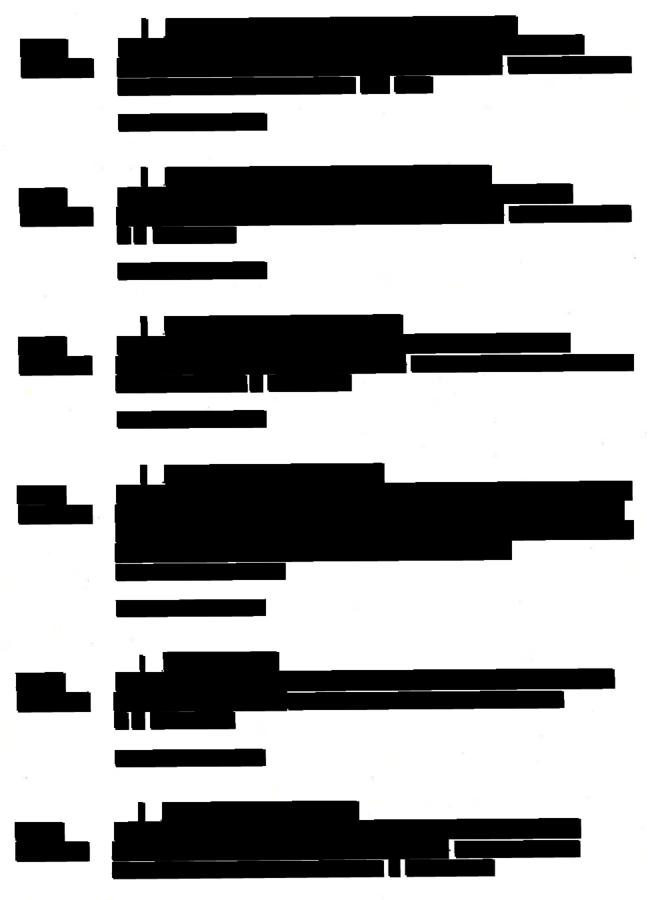- new slot course **ELEC 691X** *Principles of Solid State Nanodevices*
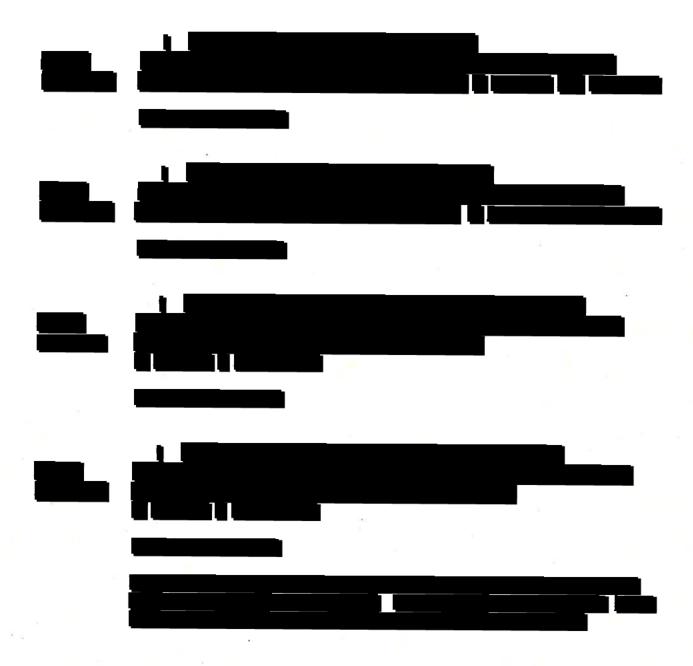
Motion
2004-05-05   *That the graduate curriculum changes set out in Document ECFC*
2004-05-03A be approved by Council (G. Vatistas, M.O. Ahmad)

Vote: Carried unanimously

CLOSED SESSION

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[REDACTED]

OPEN SESSION

9.   <u>Ratification of Faculty Representative on the Academic Hearing Panel</u>
Motion   *That the election of Dr. A. Agarwal as Faculty Representative on the*
2004-05-39 *Academic Hearing Panel for a 2 year term, effective September 1, 2004*
            up to August 31, 2006, be ratified by Council (M.O. Ahmad, W.E. Lynch)

            Vote: carried unanimously

10.   **Other Business**

Dr. Poorooshasb was presented with a retirement gift commemorating his 25 years of service in the Faculty of ENCS. In his speech to Council members, Dr. Poorooshasb expressed gratitude towards his Department and colleagues. He was also thankful for having worked under the leadership of Dean Esmail – a great Dean; one of the best the Faculty has had to date.

11.   **Adjournment**

The meeting was adjourned at 12:00 noon

Mary Di Pietrantonio
Secretary of Council